IN THE CLAIMS

      This listing of claims will replace all prior versions, and listings, of claims in the application. Please amend claims 1-10 as follows:

Listing of Claims

      1.   (Currently Amended) A recording control apparatus for controlling recording of first, second, and third data series ~~onto a storage medium~~ an optical disk, the apparatus ~~is characterized by~~ comprising:

      first data extracting means for extracting data having a first data amount from the first data series, the first data amount being a data amount in accordance with a data amount required for reproduction for a first reproduction time;

      second data extracting means for extracting data having a second data amount from the second data series, the second data amount being a data amount in accordance with a data amount required for reproduction for a second reproduction time that is different from the first reproduction time;

      first recording-control means for performing recording-control to record data having the first data amount for the first data series and data having the second data amount for the second data series onto the ~~storage medium~~ optical disk so that the respective data are periodically arranged in a circumferential direction of the optical disk in a form of annular rings respectively; and

      second recording-control means for performing recording-control to record the third data series onto the ~~storage medium~~ optical disk so that the third data series is arranged at random independently of the first data series and the second data series.

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2.   (Currently Amended) The recording control apparatus according to claim 1, ~~characterized in that~~ wherein the first data amount is a data amount that is an integral multiple of a data amount in a physical unit area of the ~~storage medium~~ optical disk and that is close to a data amount required for reproduction for the first reproduction time, and

the second data amount is a data amount that is an integral multiple of a data amount in the physical unit area of the ~~storage medium~~ optical disk and that is close to a data amount required for reproduction for the second reproduction time.

3.   (Currently Amended) The recording control apparatus according to claim 2, ~~characterized in that~~ wherein, with respect to the ~~storage medium~~ optical disk, the physical unit area is a minimum area to/from which data writing/reading is performed or an area in which an ECC (error correcting code) block on which ECC processing is performed is recorded.

4.   (Currently Amended) The recording control apparatus according to claim 1, ~~characterized in that~~ wherein the first recording-control means causes the data having the first data amount for the first data series and the data having the second data amount for the second data series to be recorded onto the ~~storage medium~~ optical disk so that boundaries of the respective data match boundaries of physical unit areas of the ~~storage medium~~ optical disk.

5.   (Currently Amended) The recording control apparatus according to claim 4, ~~characterized in that~~ wherein, with respect to the ~~storage medium~~ optical disk, the physical unit area is a minimum area to/from which data writing/reading is performed or an area in which an

ECC (error correcting code) block on which ECC processing is performed is recorded.

6.   (Currently Amended) The recording control apparatus according to claim 1, ~~characterized in that~~ wherein the first data series is a data series of video or a data series of audio associated with the video;

the second data series is a data series of metadata that requires a real-time characteristic for the data series of video or the data series of audio associated with the video; and

the third data series is a data series of metadata that does not require a real-time characteristic for the data series of video or the data series of audio associated with the video.

7.   (Currently Amended) The recording control apparatus according to claim 1, ~~characterized in that~~ wherein, for each clip that constitutes material data in a predetermined area in the first data series, the third data series uses one file containing one of at least an LTC/UMID, GPS data, front-end time code, discontinuous-point time code information, a front-end extended UMID source pack, and a discontinuous-point extended UMID source pack.

8.   (Currently Amended) A recording control method for a recording control apparatus for controlling recording of first, second, and third data series onto ~~a storage medium~~ an optical disk, the method ~~being characterized by~~ comprising the steps of:

a first data extracting step of extracting data having a first data amount from the first data series, the first data amount being a data amount in accordance with a data amount required for reproduction for a first reproduction time;

a second data extracting step of extracting data having a second data amount from the second data series, the second data amount being a data amount in accordance with a data amount required for reproduction for a second reproduction time that is different from the first reproduction time;

a first recording-control step of performing recording-control to record data having the first data amount for the first data series and data having the second data amount for the second data series onto the ~~storage medium~~ optical disk so that the respective data are periodically arranged in a circumferential direction of the optical disk in a form of annular rings respectively; and

a second recording-control step of performing recording-control to record the third data series onto the ~~storage medium~~ optical disk so that the third data series is arranged at random independently of the first data series and the second data series.

9.   (Currently Amended) A program, encoded on a computer-readable medium, for causing a computer to perform recording-control processing for controlling recording of first, second, and third data series onto ~~a storage medium~~ an optical disk, the program ~~being characterized by~~ comprising the steps of:

a first data extracting step of extracting data having a first data amount from the first data series, the first data amount being a data amount in accordance with a data amount required for reproduction for a first reproduction time;

a second data extracting step of extracting data having a second data amount from the second data series, the second amount being a data amount in accordance with a data amount

required for reproduction for <u>a</u> second reproduction time that is different from the first

reproduction time;

a first recording-control step of performing recording-control to record data having the

first data amount for the first data series and data having the second data amount for the second

data series onto the ~~storage medium~~ <u>optical disk</u> so that the respective data are periodically

arranged <u>in a circumferential direction of the optical disk in a form of annular rings respectively</u>;

and

a second recording-control step of performing recording-control to record the third data

series onto the ~~storage medium~~ <u>optical disk</u> so that the third data series is arranged at random

independently of the first data series and the second data series.

10.   (Currently Amended) A <u>computer readable</u> ~~storage~~ medium in which first,

second, and third data series are recorded, the <u>computer readable</u> ~~storage~~ medium being

~~characterized by~~ <u>an optical disk and</u> comprising:

<u>(a)</u> data which is extracted from the first data series and which has a first data amount that

is a data amount in accordance with a data amount required for reproduction for <u>a</u> first

reproduction time<u>; and</u>

<u>(b)</u> data which is extracted from the second data series and which has a second data

amount that is a data amount in accordance with a data amount required for reproduction for <u>a</u>

second reproduction time that is different from the first reproduction time<u>,</u>

<u>wherein the data</u> are recorded so that the respective data are periodically arranged <u>in a</u>

<u>circumferential direction of the optical disk in a form of annular rings respectively</u>, and

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wherein the third data series is arranged at random <u>on the optical disk</u> independently of

the first data series and the second data series.